

40  
↓

```
1. # cgi-bin/step
2. echo Content-type: text/html; echo
3. case $QUERY_STRING in
4.   1) cat ../htdocs/step_5.html;;
5.   5) cat ../htdocs/step_1.html;;
6.   *) echo "<html><body><h2>Bad</h2></body></html>";;
7. esac;
```

FIG. 1

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↓

```
1. <!-- htdocs/step1.html -->
2. <html><head><title>1</title></head>
3. <body><h2>1</h2>
4. <script src=/chain.js></script>
5. <form> <input type="button" value="ClickMe"
6.       onClick="chain(1);">
7. </form></body></html>
```

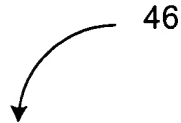
FIG. 2

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↓

```
1. function chain(id){
2.   window.location = "/cgi-bin/step?" + id;
3. }
```

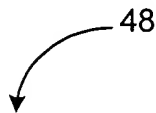
FIG. 3

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```
1.  #!/bin/sh
2.  echo Content-type: text/plain; echo
3.  case $QUERY_STRING in
4.  1) echo 5;;
5.  5) echo 1;;
6.  *) echo 0;;
7.  esac
```

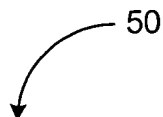
FIG. 4



```
1.  import java.applet.Applet;
2.  import java.net.*;
3.  import java.io.*;
4.  public class GetState extends Applet {
5.      public String Chain(String server, String p)
6.          throws Exception {
7.          URL stater = new URL(server+"?" +p);
8.          URLConnection sc = stater.openConnection();
9.          BufferedReader nxt = new BufferedReader(
10.             new InputStreamReader(
11.                 sc.getInputStream()));
12.          String res;
13.          res = nxt.readLine();
14.          nxt.close();
15.          return res;
16.      }
17. }
```

FIG. 5

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```
1. <html><head><title>hello</title></head>
2. <body> Loading...
3. <applet name=GetState code="GetState.class"
4.     width="40" height="20" >
5. </applet> ok.
6. <form>
7. <input type="input" value=5 name=data>
8. <input type="button" value="Chain"
9.     onClick=" data.value = document.GetState.Chain(
10.         'http://localhost/cgi-bin/chain',
11.         data.value);">
12. </form></body>
```


FIG. 6



```
1. <html><head><title> 5 </title></head>
2. <applet name=GetState code="GetState.class"
3.     width="40" height="20" >
4. </applet>
5. <body><h2> 5 </h2>
6. <form>
7. <input type="button" value="ClickMe"
8.     onClick="window.location='chain_'
9.         +document.GetState.Chain(
10.             'http://localhost/cgi-bin/chain',5)
11.         +' .html';">
12. </form>
13. </body></html>
```

FIG. 7

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```
1. <html><head><title> CHAIN </title></head>
2. <applet name=GetState code="GetState.class"
3.     width="40" height="20" >
4. </applet>
5. <script>
6.     var url = 'http://heuropan/cgi-bin/chain';
7.     var state = 5;
8.     var red = "#FF0000";
9.     var green = "#00FF00";
10.    var blue = "#0000FF";
11.    function exec() {
12.        var nstate = document.GetState.Chain(url, state);
13.        if (nstate == 99) {
14.            if (confirm("OK?"))
15.                state = nstate;
16.        } else
17.            state = nstate;
18.        if (state == 1)
19.            document.bgColor = red;
20.        else if (state == 5)
21.            document.bgColor = green;
22.        else
23.            document.bgColor = blue;
24.    </script>
25.    <body><h2> CHAIN </h2>
26.    <form>
27.        <input type="button" value="ClickMe"
28.            onClick="exec();">
29.    </form>
30.    </body></html>
```

FIG. 8

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```
1.  function chain_1() {  
2.      alert("1 called");  
3.  }  
4.  function chain_5() {  
5.      alert("5 called");  
6.  }  
7.  function chain_99() {  
8.      alert("99 called");  
9.  }  
10. var url = 'http://heuropan/cgi-bin/chain';  
11. var state = 5;  
12. function exec() {  
13.     state = document.GetState.Chain(url, state);  
14.     eval ("chain_" + state + " ();");  
15. }
```

FIG. 9

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```
1.  <html><head><title> CHAIN-EVAL </title></head>  
2.  <applet name=GetState code="GetState.class"  
3.      width="40" height="20" >  
4.  </applet>  
5.  <script src=chain_x.js> </script>  
6.  <body><h2> CHAIN-EVAL </h2>  
7.  <form>  
8.  <input type="button" value="ClickMe"  
9.      onClick="exec();">  
10. </form>  
11. </body></html>
```

FIG. 10

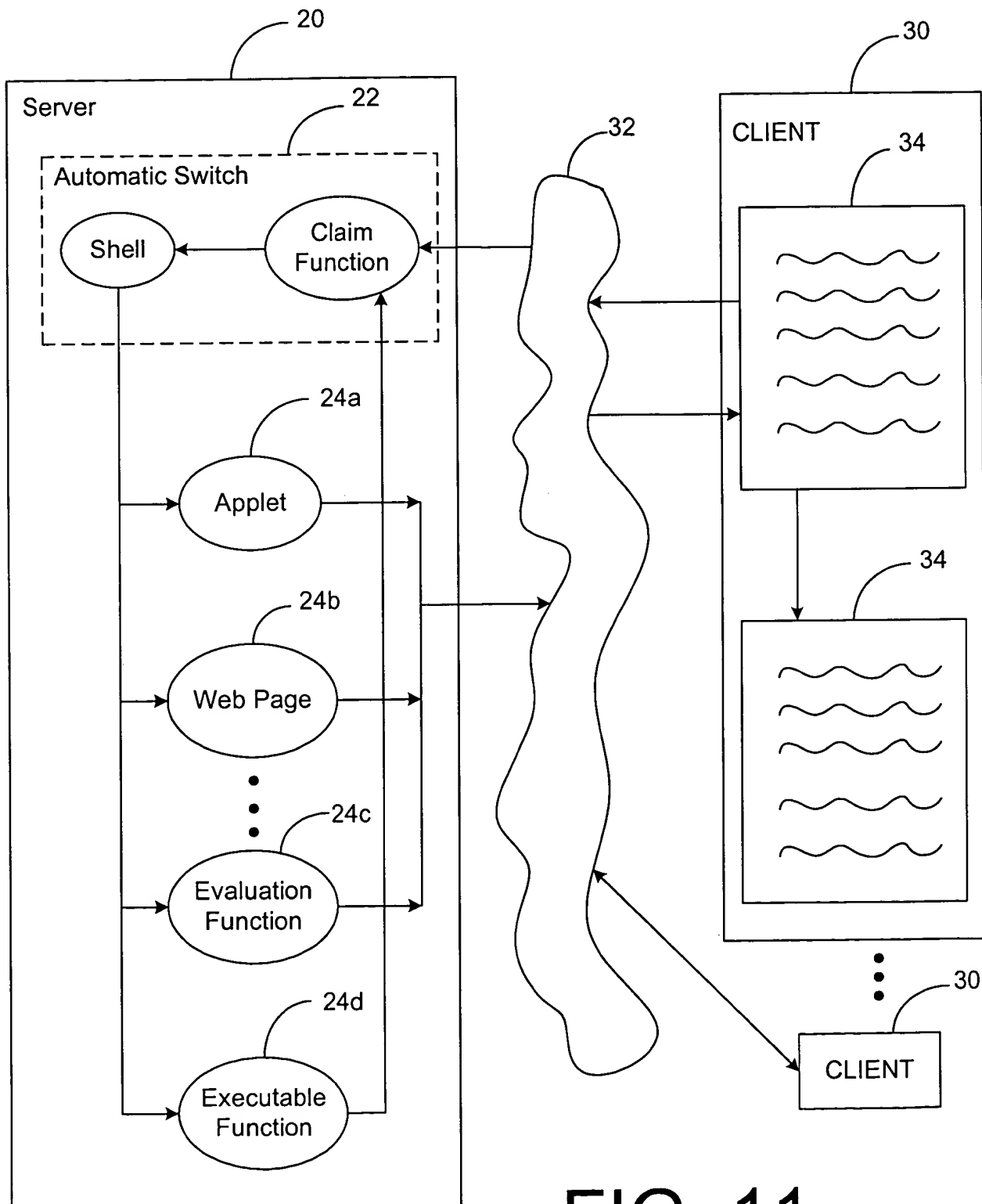


FIG. 11